

AMENDMENTS TO THE SPECIFICATION

On page 1, prior to the first paragraph which begins on line 3, please insert the following:

FIELD OF THE INVENTION

Please replace the paragraph which begins on page 1, line 3 and ends on line 4, with the following rewritten paragraph:

The invention relates to a field transmitter for process automation in accordance with the preamble to claim 1.

On page 1, prior to the second paragraph which begins on line 5, please insert the following:

BACKGROUND OF THE INVENTION

On page 3, prior to the paragraph which begins on line 5, please insert the following:

SUMMARY OF THE INVENTION

On page 5, prior to the paragraph which begins on line 8, please insert the following:

BRIEF DESCRIPTION OF THE DRAWINGS

Please replace the paragraph which begins on page 5, line 8 and which ends on page 5, line 19, with the following rewritten paragraph:

The invention is explained in more detail below with the aid of an exemplary embodiment shown in the drawing, in which:

Figure 1 is a schematic illustration of a field bus with an inventive field transmitter and control device[[,]] :

Figure 2 is a schematic illustration of an inventive field transmitter[[,]] and

Figure 3 is a schematic illustration of an inventive control device.

On page 5, prior to the paragraph which begins on line 20, please insert the following:

DESCRIPTION OF THE PREFERRED EMBODIMENT

On page 5, please replace the paragraphs which begins with line 21 and ends with line 31 with the following rewritten paragraphs:

Figure 1 shows a level gage S1 arranged on a tank T, as an example of a field transmitter. The level gage S1 records the level H of a liquid F L in the tank T.

The level H in the tank T is measured using a radar pulse timing method. In this context, a radar pulse from the level gage S1 is sent in the direction of the surface of the liquid F L, and the pulse reflected from the surface of the liquid is registered. The delay time of the radar pulse is used to deduce the liquid level H.